

ScanVan 100100 PRO

MOBILE X-RAY INSPECTION SYSTEM



Feature Highlights

- Ram ProMaster® 1500 Cargo Low Roof with Front Wheel Drive, 6-speed Automatic Transmission & Electronic Stability Control and Roll Mitigation
- Integral HI-SCAN 100100 PRO X-ray Inspection System
- Foldable conveyor allows easy item handling
- Penetration up to 35mm steel
- Wire detectability AWG 38
- Reverse Mode conveyor mode enabled

Built on a Ram ProMaster® 136" wheelbase platform, ScanVan 100100 PRO features a built-in HI-SCAN inspection system which provides high-quality X-ray material discrimination and image penetration. HI-SCAN 100100 PRO software applications allow image review capability, image enhancement tools and full storage capability.

ScanVan 100100 PRO enables fast, flexible and easy-to-set-up security checkpoints, and can be used where space is restricted due to its overall compact size and low roof height. Highly maneuverable, ScanVan 100100 PRO can be operated without a commercial license.

Its X-ray tunnel size is 100 cm x 100 cm to accommodate various size bags, boxes and other items. It utilizes a powerful motorized conveyor to ensure high throughput of items up to 200-kgs (441 lbs). It comes standard with a operator's cabin equip with HCVA controls.

ScanVan 100100 PRO is powered by either an external supply or its onboard generator for continuous power supply.

General Information

Chassis	Ram ProMaster® 1500 Cargo Van w/Low Roof
On-board Genset	85.5 kW
Tunnel dimensions	1010 (W) x 1010 (H) (mm) or 39.7" (W) x 39.7" (H)
Max. object size	1000 (W) x 1000 (H) (mm) or 39.4" (W) x 39.4" (H)
Gross Vehicle Weight	less than 11,500 pounds
Overall Body	approx. 2.1m (82.7") [W] • 2.3m (91.0") [H] • 5.4m (213.1") [L]
Ground Clearance	approx. 0.16m (6.24")
Conveyor Height	approx. 0.85m (32")
Conveyor Length	approx. 3.0m (118.1")
Conveyor Speed	approx. 0.2 (m/s) @ Mains Frequency of 50/60 Hz
max. conveyor load even distributed over the whole conveyor	200 kg (441lbs)
Resolution	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
Penetration (steel)	standard: 35 mm • typical: 37 mm
ASTM 792-08 (Test 1, Test 3, Test 4)	Test 1: AWG 32 / Test 3: 1.6 mm horz./1.3 mm vert. / Test 4: 30 mm
External dose rate/Inspection	≤ 2 µSv (0,2 mrem)
Film safety	guaranteed up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

Truck Chassis

Model	Ram ProMaster® 1500 Cargo Van w/ Low Roof, 3.6-Liter V6 24 Valve VVT Engine, Front Wheel Drive, 6-Speed Automatic Transmission, Medium Duty Suspension, Redundant Emergency Backup Battery, Power Rack & Pinion Steering, Traction Control and GPS Navigation
Exterior	White, Engine Block Heater (Optional), Back-up Camera, 180-Amp Alternator, Redundant Battery System, 16" x 6" Steel Wheels w/Full Size Spare, 24-Gallon Fuel Tank, 260 Degree Opening Rear Hinged Doors and Sliding Rear Side Doors
Interior	Air Conditioning, 4-Way Adjustable Driver & Passenger Cloth Bucket Seats, Seating for 2 Passengers w/ 38.8" Leg Room and 74.8" Shoulder Room, Power Windows, Telescoping Steering Column, 12-Volt Outlet and USB Port (Charging Only)
Safety	Advanced Airbags, Supplemental Front Seat Mounted Side Airbags and Side Curtain Front Airbags, Speed Limiter (Dealer Activated), Electronic Stability Control & Roll Mitigation, Tire Pressure Monitoring Display and 4-Wheel Antilock Disc Brakes
Air Conditioning	Manual Temperature Control for Driver's Cab and Automatic Temperature Control of HI-SCAN 100100 PRO 5.5kW On-board Generator w/120 VAC ±10%, Single Phase, 60Hz, 50ft AC Power Cord

Image Generating System

X-ray converter	L-shaped detector line
Grey levels stored	4096
Image presentation	B/W, color
Digital video memory	256 Mbit
Image evaluation functions	VARI-MAT, O ² , OS, HIGH, HI-SPOT, SEN, XPlore, Opti-Zoom, HDA, electronic zoom: stepless enlargement up to 64-times
Monitor	Flat Panel LCD Monitor

Additional Features

Functions	fading-in of date/time, luggage counter, user id-number, luggage marking system (acoustic), display of operating mode, REVIEW-feature (to recall previously visible image areas), zoom overview, free programmable keys, USB 2.0 interface, stepless zoom, IMS (Image Store System - stores up to 100,000 images)
Options	X-ACT, HI-TIP, Xport, High Density Alert (HDA)

Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE-labelling	in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
Sound pressure level	< 70 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +50°C (optional)
Humidity	10% - 90% (non-condensing), 100% (optional)
Power supply	standard: 220 VAC - 240 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 1.0 kVA

For product information, sales or service, please go to www.smithsdetection.com/locations

Smiths Detection Germany GmbH, Im Herzen 4, 65205 Wiesbaden, Germany
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